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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER AI-425NP |
| INTERNATIONAL APPLICATION NO. PCT/JP05/014294 | INTERNATIONAL FILING DATE 4 August 2005 | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/563392 PRIORITY DATE CLAIMED 29 September 2004 |
| TITLE OF INVENTION WIRING BOARD AND SEMICONDUCTOR DEVICE | | |
| APPLICANT(S) FOR DO/EO/US Kazumasa Tanida et al. | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | |

FEE ENCLOSED: \$ 940.1
 Please charge any further
 fee to our Deposit Account
 No. 18-0002

19 SEP 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) | INTERNATIONAL APPLICATION NO. PCT/JP05/014294 | ATTORNEY'S DOCKET NUMBER AI-425NP | | | | | | | | | | | | | | | | | | |
|--|--|--|---|--------------|--------------|----------|--|------------|--|---------|----|---|---|--|--|---|--|--|--|--|
| 20. <input checked="" type="checkbox"/> Other items or information: Return Receipt Postcard 4 sheets of Formal Drawings (Figs. 1-7) - International Search Report, Form PCT/IB/308 & 304 - Claim for Priority documents: The right of priority are claimed under 35 USC §119 of Japanese Application No. 2004-284681 filed September 29, 2004. | | | | | | | | | | | | | | | | | | | | |
| The following fees have been submitted 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) \$300 | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE ONLY</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> </table> | CALCULATIONS | PTO USE ONLY | \$ 300.00 | | | | | | | | | | | | | | | |
| CALCULATIONS | PTO USE ONLY | | | | | | | | | | | | | | | | | | | |
| \$ 300.00 | | | | | | | | | | | | | | | | | | | | |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200 | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 200.00</td> <td></td> </tr> </table> | \$ 200.00 | | | | | | | | | | | | | | | | | |
| \$ 200.00 | | | | | | | | | | | | | | | | | | | | |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500 | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 400.00</td> <td></td> </tr> </table> | \$ 400.00 | | | | | | | | | | | | | | | | | |
| \$ 400.00 | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF 21, 22 and 23 = | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 900.00</td> <td></td> </tr> </table> | \$ 900.00 | | | | | | | | | | | | | | | | | |
| \$ 900.00 | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td></td> </tr> </table> | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Total Sheets</th> <th style="text-align: left;">Extra Sheets</th> <th style="text-align: left;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="text-align: left;">RATE</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> </table> | Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | - 100 = | /50 = | | x \$250.00 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td></td> </tr> </table> | | \$ | | | | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | | | | | | | | | | | | | | | | |
| - 100 = | /50 = | | x \$250.00 | | | | | | | | | | | | | | | | | |
| \$ | | | | | | | | | | | | | | | | | | | | |
| Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td></td> </tr> </table> | \$ | | | | | | | | | | | | | | | | | |
| \$ | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">CLAIMS</th> <th style="text-align: left;">NUMBER FILED</th> <th style="text-align: left;">NUMBER EXTRA</th> <th style="text-align: left;">RATE</th> </tr> <tr> <td>Total claims</td> <td>3 - 20 =</td> <td></td> <td>x</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td></td> <td>x</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+</td> </tr> </table> | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | Total claims | 3 - 20 = | | x | Independent claims | 2 - 3 = | | x | MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td></td> </tr> </table> | | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | | | | | | | | | |
| Total claims | 3 - 20 = | | x | | | | | | | | | | | | | | | | | |
| Independent claims | 2 - 3 = | | x | | | | | | | | | | | | | | | | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 900.00</td> <td></td> </tr> </table> | \$ 900.00 | | | | | | | | | | | | | | | | | |
| \$ 900.00 | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td></td> </tr> </table> | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| SUBTOTAL = | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 900.00</td> <td></td> </tr> </table> | \$ 900.00 | | | | | | | | | | | | | | | | | |
| \$ 900.00 | | | | | | | | | | | | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td></td> </tr> </table> | \$ | | | | | | | | | | | | | | | | | |
| \$ | | | | | | | | | | | | | | | | | | | | |
| TOTAL NATIONAL FEE = | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 900.00</td> <td></td> </tr> </table> | \$ 900.00 | | | | | | | | | | | | | | | | | |
| \$ 900.00 | | | | | | | | | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 40.00</td> <td></td> </tr> </table> | \$ 40.00 | | | | | | | | | | | | | | | | | |
| \$ 40.00 | | | | | | | | | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED = | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 940.00</td> <td></td> </tr> </table> | \$ 940.00 | | | | | | | | | | | | | | | | | |
| \$ 940.00 | | | | | | | | | | | | | | | | | | | | |
| Amount to be refunded: | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td></td> </tr> </table> | \$ | | | | | | | | | | | | | | | | | |
| \$ | | | | | | | | | | | | | | | | | | | | |
| Amount to be charged | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td></td> </tr> </table> | \$ | | | | | | | | | | | | | | | | | |
| \$ | | | | | | | | | | | | | | | | | | | | |

10/593300
19 SEP 2006

PTO-1390 (Rev. 07-2005)

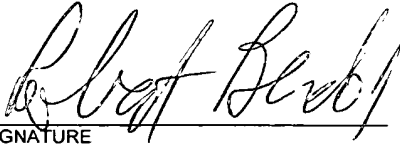
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U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 18-0002 in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit
Account No. 18-0002 . A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information
should not be included on this form. Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be
filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:


SIGNATURE

Robert H. Berdo, Jr.
NAME

CUSTOMER NUMBER: 23995

38,075
REGISTRATION NUMBER

10/593393
IAP9/Rec'd PCT/PTO 19 SEP 2006

PTO/SB/17 (07-06)

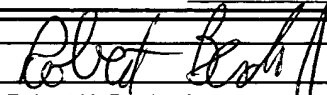
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|---|--|--------------------------|--------------------|
| Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2005 | | Complete if Known | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Application Number | Not Yet Assigned |
| | | Filing Date | September 19, 2006 |
| | | First Named Inventor | Kazumasa Tanida |
| | | Examiner Name | Not Yet Assigned |
| | | Art Unit | N/A |
| TOTAL AMOUNT OF PAYMENT (\$) 940.00 | | Attorney Docket No. | AI-425NP |

| | |
|---|--|
| METHOD OF PAYMENT (check all that apply) | |
| <input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____ | |
| <input type="checkbox"/> Deposit Account Deposit Account Number: <u>18-0002</u> Deposit Account Name: <u>Rabin & Berdo, PC</u> | |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) | |
| <input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee | |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments | |

| FEE CALCULATION | | | | | | | |
|---|---------------------|---|-----------------|-----------------------|----------------------------------|-----------------------|-----------------|
| 1. BASIC FILING, SEARCH, AND EXAMINATION FEES | | | | | | | |
| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | _____ |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | _____ |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | _____ |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | _____ |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | _____ |
| 2. EXCESS CLAIM FEES | | | | | | | |
| Fee Description | | | | | | Small Entity | |
| | | | | | | Fee (\$) | Fee (\$) |
| Each claim over 20 (including Reissues) | | | | | | 50 | 25 |
| Each independent claim over 3 (including Reissues) | | | | | | 200 | 100 |
| Multiple dependent claims | | | | | | 360 | 180 |
| Total Claims | | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | | |
| <u>3</u> - 20 = _____ | | <u>x</u> _____ | = _____ | | | | |
| HP = highest number of total claims paid for, if greater than 20. | | | | | | | |
| Indep. Claims | | Extra Claims | Fee (\$) | Fee Paid (\$) | | | |
| <u>2</u> - 3 = _____ | | <u>x</u> _____ | = _____ | | | | |
| HP = highest number of independent claims paid for, if greater than 3. | | | | | | | |
| 3. APPLICATION SIZE FEE | | | | | | | |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | | Fee (\$) | Fee Paid (\$) | | |
| _____ | - 100 = _____ | /50 _____ (round up to a whole number) x _____ | | = _____ | | | |
| 4. OTHER FEE(S) | | | | | | | |
| Non-English Specification, \$130 fee (no small entity discount) | | | | | | | |
| Other (e.g., late filing surcharge): | | | | | | Fees Paid (\$) | |
| 1631 Basic National Stage fee | | | | | | 300.00 | |
| 1633 National Stage Examination Fee - all other ... | | | | | | 200.00 | |
| 1642 National Stage Search Fee - search report ... | | | | | | 400.00 | |
| 8021 National Stage recording each patent assignment, ... | | | | | | 40.00 | |

| | | | |
|---------------------|---|-----------------------------------|--------------------|
| SUBMITTED BY | | | |
| Signature |  | Registration No. (Attorney/Agent) | 38,075 |
| Name (Print/Type) | Robert H. Berdo, Jr. | Telephone | (202) 371-8976 |
| | | Date | September 19, 2006 |